

What you need to know for the CH 1 Unit A test.

Vocabulary and terms

inner core	transform boundary
outer core	magnetic reversal
mantle	hot spot
crust	subduction
asthenosphere	continental-continental collision
lithosphere	oceanic-oceanic collision
tectonic plate	oceanic-continental collision
continental drift	island arc
theory of plate tectonics	rift valley
Pangaea	ocean trench
convection current	mid-ocean ridge
divergent boundary	
convergent boundary	

Contrasting and comparing and describing –

If asked to *compare* or *contrast* or *describe* – try to find at least *three* properties to discuss. You may use a Venn diagram to organize your thoughts; however, please write a paragraph explaining what the Venn diagram is showing. A diagram alone is **not** sufficient (not enough).

- Know the differences between the layers of the Earth: inner core, outer core, mantle, and crust in terms of *density*, *temperature*, *composition* (look this word up if you do not know what it means), *thickness*, and *pressure*.

- Know the differences between hot spots and island arcs.
- Know what happens to crust at the three types of boundaries. (Is it destroyed, created or neither?)
- Know how studies of the sea floor helped scientist prove the theory of plate tectonics.
- Know the difference between the theory of plate tectonics and Wegener's hypothesis of continental drift (What types of evidence was used to support these?)
- Know the features formed at divergent boundaries and convergent boundaries (both on land and in the ocean).
- Know how a rift valley is formed and what it is.
- Know the differences between ocean trenches and mid-ocean ridges – where they occur and how they are formed.